

U.S. Department of Agriculture Natural Resources Conservation Service				SCS-CPA-52 01-00		Client: Forestry Planning RMS Example Douglas and Kathy Fir		
Environmental Effects For Conservation Plans and Areawide Conservation Plans				Plan ID No:				
				CMU/Fields: All CMUs				
PURPOSE: This form summarizes the effects of the practices/systems. It also provides summary documentation for environmental evaluation of the planned actions.								
INSTRUCTIONS: Complete the evaluation of each resource management system (RMS). Short-term refers to installation period and long-term refers to the effects during the life span of the practice or systems. Effect codes: + = beneficial; - = adverse; 0 = none. For Quality Criteria columns, check yes or no. Effects are to be quantified where possible.								
Resource Considerations *	Effects		Effects Notes	Meets Q Criteria				Quality Criteria Notes
	Short	Long		Benchmark		Planned		
				No	Yes	No	Yes	
SOIL								
Erosion	+	+	Soil erosion from wind meets "T" on CMU 1a.	X			X	Used WEQ , Before T = 10, After T= 2 Used RUSLE, Before T=15, After T= 2 Volume calculation Before = 100 T/A/Y, After = 0
	+	+	Sheet and rill erosion meets "T" in 1b.	X			X	
	-	+	Long-term concentrated flow erosion is eliminated in 1b	X			X	
	-	+	Long-term streambank erosion is eliminated in 2a.	X			X	
	-	+	Long term, stream bank and roadbank erosion is eliminated in CMU 3b.	X			X	
	-	+	Long term, classic gully erosion along woods road and trails due to ATV vehicles is eliminated in CMU 3c.	X			X	
Condition	0	+	Compaction along stream bank is eliminated in CMU 2a	X			X	
	0	+	Compaction from grazing is eliminated in CMU 2d.	X			X	
Deposition	+	+	Mineral and organic matter is staying in place in CMU 1a and 1b	X			X	On site and off site sediment yield rates are reduced.
WATER								
Quantity								
Quality	-	+	Long term, sediment is not getting into intermittent stream in CMU 1b, 2a and 2d.	X			X	
	0	+	Long term, nutrients and organics are not getting into surface water at spring area in CMU 2a.	X			X	
	0	+	Long term, surface water temperatures are lower in stream in CMU 3b.	X			X	
AIR								
Quality	+	+	Airborne sediments are not causing problems in CMU 1a and HQ.	X			X	Herbaceous Wind Barrier is short-term solution, while long-term, windbreak will improve air quality.

Condition	0	+	Air temperatures in the house are modified in CMU HQ.	X			X	
Other	+	+	Air movement of snow is much reduced in CMU HQ	X			X	
PLANT								
Suitability	0	+	Planted trees are controlling erosion in CMU 1b.	X			X	Alley Cropping is in place in CMU 1b.
	0	+	Appropriate woody and herbaceous species are present in CMU 2b and 2c.	X			X	
	0	+	CMU 3c has only desirable tree species occupying the majority of the area.	X			X	
Condition	0	+	Forage productivity is increased in CMU 2b and 2c.	X			X	Density of stand is within 25% of forest stand density guide spacing for the particular forest type.
	+	+	Plant vigor and health are improved in CMU 2d.	X			X	
	+	+	Timber productivity is increased with proper management in CMU 3b.	X			X	
Management	+	+	Establishment, growth and harvest are managed using silvopasture in CMU 2b.	X			X	A silvopasture system is in place in CMU 2b. IPM plan is implemented in 3a. IPM plan is implemented in HQ.
	+	+	Establishment, growth and harvest is improved in CMU 2c and 3a	X			X	
	+	+	Infestation of bark beetles has been contained in CMU 3a.	X			X	
	+	+	Ornamental plants have been protected using fence and chemicals in CMU HQ	X			X	
ANIMAL								
Habitat (Domestic)								
Habitat (Wildlife)	0	+	Long term increased wildlife habitat and hunting opportunities in 1a and 1b.	X			X	30% of the minimum habitat requirements are met for the desired species. WHE rating before = 0.3, after = 0.7
	+	+	Wildlife habitat cover and shelter is increased in CMU 2d.	X			X	
	0	+	Long term, sufficient fish habitat will be present on Noname Creek in CMU 3b.	X			X	Riparian Buffer provides shading and large woody debris
	0	+	Fish passage is improved in CMU 3b.	X			X	Repair of culvert improves fish habitat connectivity.
Management	+	+	Wildlife populations are managed appropriately in CMU HQ	X			X	WHE rating before = 0.3, after = 0.7
	+	+	Wildlife management is improved in CMU 2a.	X			X	WHE rating before = 0.3, after = 0.7

Instructions: Complete the following evaluation for each Resource Management System (RMS). Short-term refers to installation period and long term refers to the effects during the life span of the practice or system. Effects codes: + = positive, - = adverse, and 0 = none. Check each category and quantify effects where possible. An explanation of the specific effects should be noted for each category necessary or important to decisionmaking. NRCS employees should treat "client data" and "financial" information as confidential information.

ECONOMIC AND SOCIAL CONSIDERATIONS	NRCS Policy or Procedure	Effects		Effects Notes
		Short	Long	
Economics	GM Part 401 Cons Econ Hndbk			
Land Use		0	0	
Capital		-	+	Some capital needed during installation, but none in long term.
Labor		-	0	Some labor needed during installation
Management level		-	+	More management needed at beginning, much less in long term.
Risk		-	0	Some risk involved during installation
Profitability		-	0	Profitability maybe low short-term, but much higher in long-term.
Social	Natl Soc Sci Manual			
Client well being		0	+	Client well being will be increased
Community well being		0	+	Community safety and recreational opportunities will be increased.
Environmental Justice		0	0	

SPECIAL ENVIRONMENTAL CONCERNS: Check each category. If the effect is adverse or positive to any of the following, explain in the note section or on an attachment. For cultural resources purposes, separate primary documentation is required.

		Present		Positive/Adverse Effect	
		No	Yes	No	Yes
Concerns-See "Help Sheets"	NRCS Policy Procedure				
Prime and Unique Farmland	310 GM 403	X			
Threatened or Endangered Species	190 GM 410.22(b)	X			
Landscape Resource	190 GM 410.24	X			
Coastal Zone Management Area	NRCS/ASCS/EXT 3/9/93 Letter	X			
Natural Area	190 GM 410.23		X		X
Wild and Scenic Rivers	FOTG Section 1	X			
Wetland	190 GM 410.26 FSA Manual & COE Tech Rpt Y-87-1	X			
Riparian Area	190 GM 411		X		X
Special Aquatic Site	EPA 404(b)(1)230.3 & 230.10 Federal Register 12/24/80	X			
Floodplain Management	190 GM 410.25		X		X
Stream Channel Modification	190 GM 410.27		X		X
Cultural Resources	420 GM 401.601		X		X
NOTES: (Attach Additional Comments) RMS CMU 3b will be a positive effect on the riparian, floodplain and natural areas that are adjacent to the Nature Conservancy property. Stream bank stabilization in CMU 3b will be a positive effect on stream channel modification. Installing and maintaining riparian forest buffers while excluding livestock will be a positive effect in CMU 2a, 2c and 2d. See attached documentation. Cultural resources found in south end of 2b are not impacted by this RMS with practices in the north end only. Refer to cultural resources evaluation worksheets attached.					
404 Permit needed?	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	X <input type="checkbox"/> bank stabilization and fish passage CMU 3b will require a permit			
State, county, local requirements met?	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	Yes X <input type="checkbox"/>			
Mitigation planned or required?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	<input type="checkbox"/>			
Public controversy about activity?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	<input type="checkbox"/>			
If yes to any of the above questions, explain in notes above.					
X To the best of my knowledge, no further environmental analysis is required.					
To the best of my knowledge, there is or may be a significant impact (adverse or beneficial) on one or more of the above environmental evaluation aspects. Further analysis, including the possibility of an Environmental Assessment, will be necessary.					
				Certified Planner	